

APPENDICES



Horned Grebe

APPENDIX 1 Names, Estimated Population Sizes, and Conservation Status of Waterbirds

COLONIAL OR SEMI-COLONIAL BREEDERS														
Conservation Status Assessment Factor Scores and Categories of Concern ^c														
S/M#	AOU#	Scientific Name	English Name ^b	French Name ^b	Spanish Name ^b	Estimated Population in Plan Area	PT	PS	TB	TN	BD	ND	Category	Rule
3179	35	<i>Stercorarius skua</i>	Great Skua	Grand Labbe	Pagalo grande	Insufficient information	3	4	na	2	na	3	Moderate	3c
3183	35.2	<i>Stercorarius macrorhynchos</i>	South Polar Skua	Labbe antarctique	Pagalo sureño	Insufficient information	3	4	na	2	na	1	Moderate	3c
3184	36	<i>Stercorarius pomarinus</i>	Pomarine Jaeger	Labbe pomarin	Estercario pomarino	20,000 - 40,000 breeders	3	3	3	2	1	1	Low	4a
3185	37	<i>Stercorarius parasiticus</i>	Parasitic Jaeger	Labbe parasite	Salteador parasito	Insufficient information	3	3	3	2	1	1	Low	4a
3186	38	<i>Stercorarius longicaudus</i>	Long-tailed Jaeger	Labbe à longue queue	Salteador colilargo	>150,000 individuals (?)	3	2	3	2	1	1	Low	4a
3187	80	<i>Rynchops niger</i>	Black Skimmer	Bec-en-oiseaux noir	Ravador	65,000 - 70,000 breeders	4	2	4	3	3	3	High	2a
3196	57	<i>Larus heermanni</i>	Heermann's Gull	Goéland de Heermann	Gaviota de Heermann	350,000 breeders	3	2	4	5	5	4	Moderate	3b
3199	55	<i>Larus canus</i>	Mew Gull	Goéland cendré	Gaviota piquiamarilla	160,000 - 240,000 breeders	4	2	1	1	2	2	Not currently at risk	5
3201	54	<i>Larus delawarensis</i>	Ring-billed Gull	Goéland à bec cerclé	Apipeza pinta	>1,700,000 breeders	1	1	1	1	2	2	Not currently at risk	5
3202	53	<i>Larus californicus</i>	California Gull	Goéland de Californie	Gaviota Californiana	>14,000 breeders	3	2	5	2	2	3	Moderate	3b
3203	47	<i>Larus marinus</i>	Great Black-backed Gull	Goéland marin	Gavion	121,430 breeders	2	2	2	2	3	2	Not currently at risk	5
3205	44	<i>Larus glaucescens</i>	Glaucous-winged Gull	Goéland à ailes grises	Gaviota de alas glaucas	380,000 breeders	3	2	2	2	3	3	Low	4a
3206	49	<i>Larus occidentalis</i>	Western Gull	Goéland d'Audubon	Gaviota occidental	>77,000 breeders	2	2	2	2	4	4	Low	4b
3207	49.1	<i>Larus tyens</i>	Yellow-footed Gull	Goéland de Cortez	Gaviota de Patas Amarillas	40,000 breeders	3	3	3	3	5	5	Moderate	3b
3208	42	<i>Larus hyperboreus</i>	Glaucous Gull	Goéland bourgmestre	Gaviota blanca	169,200 breeders	3	2	1	1	1	1	Not currently at risk	5
3209	43	<i>Larus glaucescens</i>	Iceland Gull	Goéland arctique	Gaviota blanca	>100,000 individuals	3	2	3	3	3	2	Low	4a
3209.1	43.1	<i>Larus thayeri</i>	Thayer's Gull	Goéland de Thayer	Gaviota de Thayer	<10,000 individuals in Canada	3	3	3	3	5	3	Moderate	3c
3210	51	<i>Larus argentatus</i>	Herring Gull	Goéland argenté	Gaviota plateada	>246,000 breeders	3	2	3	2	1	1	Low	4a
3212	48	<i>Larus schistisagus</i>	Slaty-backed Gull	Goéland à manteau ardoise		Insufficient information	Insufficient information available to assess risk							
3214	50	<i>Larus fuscus</i>	Lesser Black-backed Gull	Goéland brun		Insufficient information	3	4 or 5	na	3	na	3	Moderate	3c
3223	55.1	<i>Larus ridibundus</i>	Black-headed Gull	Mouette rieuse	Gaviota dorsinegra menor	40 breeders, 400 non-breeders	3	5	3	3	4	3	Moderate	3d
3225	60	<i>Larus philadelphia</i>	Bonaparte's Gull	Mouette de Bonaparte	Gaviota encapuchada	Insufficient information	?	3	3	3	1	2	Moderate	*
3231	58	<i>Larus atrifila</i>	Laughing Gull	Mouette à tête noir	Gaviota de Bonaparte	528,000 - 538,000 breeders	2	2	2	2	3	2	Not currently at risk	5
3232	59	<i>Larus pipixcan</i>	Franklin's Gull	Mouette de Franklin	Gaviota de Franklin	315,608 - 990,864 breeders	3	1 or 2	4	3	2	2	Moderate	3b
3233	60.1	<i>Larus minimus</i>	Little Gull	Mouette pygmée	Gaviota minima	100-200 breeders	4	5	3	1	5	4	High	2a
3234	39	<i>Euphala eburnea</i>	Ivory Gull	Goéland senateur	Gaviota marfil	>2,400 breeders	3	4	3	3	4	1	Moderate	3b
3235	61	<i>Rhodostethia rosea</i>	Ross's Gull	Mouette rosée		<200 breeders	?	5	2	3	4	1	High	**
3236	62	<i>Xema sabini</i>	Sabine's Gull	Mouette de Sabine	Gaviota de Sabine	200,000 - 400,000 breeders	2	2	2	4	2	1	Low	4b
3238	40	<i>Rissa tridactyla</i>	Black-legged Kittiwake	Mouette tridactyle	Gaviota patinegra	3,126,000 breeders	3	1	2	2	2	1	Not currently at risk	5
3239	41	<i>Rissa brevirostris</i>	Red-legged Kittiwake	Mouette des brumes		160,000 - 180,000 individuals at breeding colonies	4	2	4	2	5	3	High	2a
3240	63	<i>Sterna nilotica</i>	Gull-billed Tern	Sterne hansel	Pico de gaviota	6,000 - 8,000 breeders	4	3	4	2	3	2	High	2a
3241	64	<i>Sterna caspia</i>	Caspian Tern	Sterne Caspienne	Charran caspia	66,000 - 70,000 breeders	2	3	4	2	2	2	Low	4b
3243	65	<i>Sterna maxima</i>	Royal Tern	Sterne royale	Golondrina-marina real	100,000 - 150,000 breeders	3	2	4	3	3	3	Moderate	3b
3244	66	<i>Sterna elegans</i>	Elegant Tern	Sterne elegante	Golondrina-marina elegante	34,000 - 60,000 breeders	3	3	4	4	4	3	Moderate	3b
3246	65.2	<i>Sterna bergii</i>	Great Crested Tern		Few		3	5	?	2	5	4	Moderate	3c
3248	67	<i>Sterna sandvicensis</i>	Sandwich Tern	Sterne caugek	Sterna sandvicensis	75,000-100,000 breeders (probably close to 10,000)	2	2	3	2	3	3	Not currently at risk	5
3249	72	<i>Sterna dougalli</i>	Roseate Tern	Sterne de Dougall	Charran Rosada	16,000 breeders	4	3	5	5	3	3	High	2a
3253	70	<i>Sterna hirundo</i>	Common Tern	Sterne pierregarin	Sterna h. hirundo	300,000 breeders	2	2	5	4	2	1	Low	4b
3254	71	<i>Sterna paradisaea</i>	Arctic Tern	Sterne arctique	Sterna paradisaea	Insufficient Information	4	3	4	2	1	1	High	2a
3257	69	<i>Sterna forsteri</i>	Forster's Tern	Sterne de Forster	Gaviota de Forster	47,000 - 51,500 breeders	4	3	3	2	2	2	Moderate	3b
3259	74.1	<i>Sterna albigifrons</i>	Little Tern	Petite Sterne		Few	2	5	4	2	5	5	High	2b
3261	74	<i>Sterna anallurum</i>	Least Tern	Sterne	Charran minimo	60,000 - 100,000 breeders	4	2	5	4	3	2	High	2a
3268	73	<i>Sterna alaudica</i>	Aleutian Tern	Sterne Aleoute	Charran de las Aleutianas	14,594 breeders	4	3	4	2	4	3	High	2a
3269	76.1	<i>Sterna lunata</i>	Gray-backed Tern	Sterne a dos gris	Golondrina-marina dorsigris	72,000 - 104,000 breeders	3	2	4	2	4	3	Moderate	3c
3270	76	<i>Sterna anethetus</i>	Bridled Tern	Sterne a collier	Charran embridado	8,700 - 14,700 breeders	4	3	4	3	3	3	High	2a
3271	75	<i>Sterna fuscata</i>	Sooty Tern	Sterne fuligineuse	Golondrina-marina oscura	>3,360,000 - 4,380,000 breeders	3	1	4	2	3	2	Moderate	3c
3275	77	<i>Chlidonias niger</i>	Black Tern	Guillette noire	Gaviotin negro	100,000 - 500,000 breeders	3	2	4	3	2	2	Moderate	3b
3277	79	<i>Anous stolidus</i>	Brown Noddy	Noddi niais	Golondrina-boba café	286,000 - 298,000 breeders	2	2	2	2	3	2	Not currently at risk	5
3278	79.1	<i>Anous minutus</i>	Black Noddy	Noddi noir	Golondrina-boba negra	>86,400 breeders; >250,000 total	3	2	4	2	3	2	Moderate	3c
3280	79.2	<i>Procelsterna cerulea</i>	Blue-gray Noddy	Noddi gris	Insufficient information		3	4	4	2	4	3	High	2b
3281	79.3	<i>Cygus alba</i>	White Tern	Cygis blanche	Charran blanco	30,000 breeders; total N.A. population - 80,700	3	3	2	2	4	3	Moderate	3c

3284	34	<i>Alle alle</i>	Dovekie	Mergule nain	Arao comun	1,000 breeders	3	4	2	3	5	2	Moderate	3c
3285	30	<i>Uria aadg</i>	Common Murre	Guillemot marmette		4,250,000 individuals	3	1	4	4	3	2	Moderate	3c
3286	31	<i>Uria lomvia</i>	Thick-billed Murre	Guillemot de Brünnich		8,000,000 breeders	3	1	4	4	2	2	Moderate	3c
3287	32	<i>Alca torda</i>	Razorbill	Petit Pingouin		76,000 breeders	3	2	4	5	4	3	Moderate	3c
3288	27	<i>Cephus grylle</i>	Black Guillemot	Guillemot à miroir		100,000 - 200,000 breeders	2	2	3	3	2	1	Not currently at risk	5
3289	29	<i>Cephus columba</i>	Pigeon Guillemot	Guillemot du Pacifique	Arao paloma	<69,000 breeders	4	3	3	2	3	3	Moderate	3b
3292	23	<i>Brachyramphus nannocatus</i>	Marbled Murrelet	Guillemot marbré		300,000 - 800,000 individuals	5	2	4	2	3	4	High	2a
3293	24	<i>Brachyramphus brevirostris</i>	Kittler's Murrelet	Alque pale	Pato nocturno de Xantus	7,000 - 18,000 individuals (summer)	4	3	4	4	3	4	High	2a
3294	25	<i>Synthliboramphus brevirostris</i>	Xantus's Murrelet	Guillemot de Xantus		6,000 - 7,000 breeders	4	3	5	4	5	5	High	2a
3295	26	<i>Synthliboramphus arvensis</i>	Craver's Murrelet	Alque a aisselles grises		10,000 breeders	4	3	5	3	5	5	High	2a
3296	21	<i>Synthliboramphus antiquus</i>	Ancient Murrelet	Alque à cou blanc	Arao paloma	1,300,000 breeders	4	1	5	4	4	3	High	2a
3298	16	<i>Pychoanphus albastris</i>	Cassin's Auklet	Starique de Cassin	Alcuella norteamericana	3,200,000 - 3,570,000 breeders	3	1	4	2	4	3	Moderate	3c
3299	17	<i>Aethia psittacula</i>	Parakeet Auklet	Starique perroquet		1,000,000 individuals	?	1	2	2	3	3	Low	**
3300	18	<i>Aethia cristatella</i>	Crested Auklet	Starique cristatelle	Alcta crestada	3,000,000 breeders	?	1	4	4	4	3	Moderate	**
3301	19	<i>Aethia pygmaea</i>	Whiskered Auklet	Starique pygmee		>25,000 individuals in water around nesting colonies	?	3	4	4	4	4	Moderate	**
3302	20	<i>Aethia pusilla</i>	Least Auklet	Alque minuscule		9,000,000 total individuals	?	1	4	2	4	3	Moderate	**
3303	15	<i>Carolinia monocerata</i>	Rhinoceros Auklet	Alque rhinoceros	Alcuella rhinoceronte	922,000 breeders	2	1	4	2	3	3	Low	4b
3304	13	<i>Fratercula arctica</i>	Atlantic Puffin	Macareux moine		750,000 - 760,000 breeders	1	2	4	4	3	2	Not currently at risk	5
3305	14	<i>Fratercula corniculata</i>	Horned Puffin	Macareux cornu		1,000,000 breeders	?	1	4	2	3	2	Moderate	**
3306	12	<i>Fratercula cirrhata</i>	Tufted Puffin	Macareux Huppé		2,750,000 - 3,000,000 breeders	2	1	4	2	2	2	Low	4b
3331	330	<i>Rostrihamus sociabilis</i>	Snail Kite	Millan des marais	Babosero	600 - 1,000 individuals	3	4	4	4	5	5	High	2b
3624	4	<i>Podiceps nigricollis</i>	Eared Grebe	Grèbe à cou noir	Zambullidor orejado	3,500,000 - 4,100,000 individuals (fall population)	3	1	2	4	2	3	Moderate	3c
3629	1	<i>Aechmophorus occidentalis</i>	Western Grebe	Le Grèbe de l'Ouest	Achichilique	>110,000 breeders	3	2	4	4	3	3	Moderate	3b
3630	1.1	<i>Aechmophorus daniell</i>	Clark's Grebe	Le Grèbe de Clark		10,000 - 20,000 individuals	3	3	3	3	3	3	Low	4a
3631	113	<i>Phaethon aethereus</i>	Red-billed Tropicbird	Grand Paille-en-queue	Rabijunco piquirrojo	3,800 - 7,000 breeders	4	4	5	2	3	3	High	2a
3632	113.1	<i>Phaethon rubratula</i>	Red-tailed Tropicbird	Paille-en-queue blanc	Rabijunco cola roja	32,000 breeders	3	3	4	2	4	2	Moderate	3c
3633	112	<i>Phaethon lepturus</i>	White-tailed Tropicbird	Phaeton à bec jaune	Rabijunco cola blanca	10,000 - 23,000 breeders	4	3	5	3	3	2	High	2a
3635	117	<i>Monis bassanus</i>	Northern Gannet	Fou de Bassan	Bobo norteno	155,456 breeders	1	2	3	3	4	2	Not currently at risk	5
3638	114.1	<i>Sula nebouxi</i>	Blue-footed Booby	Fou à pattes bleues	Bobo patiazul	>90,000 individuals in Gulf of CA	4	2	5	5	5	4	High	2a
3640	114	<i>Sula dactylatra</i>	Masked Booby	Fou masque	Bobo enmascarado	80,000 - 120,000 breeders	4	2	4	2	3	2	High	2a
3640.1	---	<i>Sula granti</i>	Nazca Booby			Insufficient information	---	---	---	---	---	---	Insufficient information available to assess risk	---
3641	116	<i>Sula sula</i>	Red-footed Booby	Fou à pieds rouges	Bubia pies rojos	300,000 breeders	4	2	5	5	3	2	High	2a
3642	115	<i>Sula leucogaster</i>	Brown Booby	Fou brun	Bobo ventre-blanc	280,000 - 300,000 breeders	4	2	5	3	3	2	High	2a
3643	118	<i>Anhinga anhinga</i>	Anhinga	Anhinga d'Amérique	Anhinga americana	20,000 - 34,000 breeders in US	3	3	3	3	3	4	Moderate	3b
3653	122	<i>Phalacrocorax penicillatus</i>	Brandt's Cormorant	Cormoran de Brandt	Cormoran de Brandt	151,200 breeders	4	2	5	4	4	4	High	2a
3657	121	<i>Phalacrocorax brasilianus</i>	Neotropic Cormorant	Cormoran olivatre	Cormoran neotropical	16,000 breeders in US	2	3	3	3	3	4	Moderate	3c
3658	120	<i>Phalacrocorax auritus</i>	Double-crested Cormorant	Cormoran à aigrettes	Cormoran Orejado	>740,000 breeders	1	2	2	2	2	2	Not currently at risk	5
3662	119	<i>Phalacrocorax carbo</i>	Great Cormorant	Grand Cormoran	Cormoran Grande	11,600 breeders	3	3	2	2	4	4	Moderate	3c
3678	124	<i>Phalacrocorax urile</i>	Red-faced Cormorant	Cormoran à face rouge		<50,000 breeders	4	3	4	4	3	3	High	2a
3679	123	<i>Phalacrocorax pelagicus</i>	Pelagic Cormorant	Cormoran Pelagique	Cormoran Pelagico	<69,000 breeders	4	3	4	4	3	3	High	2a
3685	198	<i>Egretta nigrescens</i>	Reddish Egret	Aigrette roussatre	Garza rojiza	6,000 - 10,000 breeders	3	3	5	5	4	?	Moderate	3c
3688	199	<i>Egretta tricolor</i>	Tricolored Heron	Aigrette tricolore	Garçeta tricolor	<194,000 breeders in US	4	3	4	3	4	4	High	2a
3690	200	<i>Egretta caerulea</i>	Little Blue Heron	Petit heron bleu	Garza azul	Insufficient information	4	2	4	4	?	?	High	2a
3692	197.1	<i>Egretta gularis</i>	Western Reef-Heron			Insufficient information	---	---	---	---	---	---	Insufficient information available to assess risk	---
3694	197	<i>Egretta thula</i>	Snowy Egret	Aigrette neigeuse	Garçeta pie-dorado	>143,000 breeders	4	2	4	3	3	4	High	2a
3697	---	<i>Ptilerodius pileatus</i>	Capped Heron			Insufficient information	---	---	---	---	---	---	Insufficient information available to assess risk	---
3699	194	<i>Ardea herodias</i>	Great Blue Heron	Grand Héron	Garzon cenizo	83,000 breeders	1	2	2	2	2	3	Not currently at risk	5
3700	---	<i>Ardea coccy</i>	Coccy Heron			Insufficient information	---	---	---	---	---	---	Insufficient information available to assess risk	---
3709	196	<i>Ardea alba</i>	Great Egret	Grande Aigrette	Garza blanca	>180,000 breeders	1	2	2	2	?	?	Not currently at risk	5
3711	200.1	<i>Bubulcus ibis</i>	Cattle Egret	Héron garde-boeuf	Depulgabuey	1,160,000 breeders (Texas only)	2	1	2	2	3	3	Not currently at risk	5
3718	1014.1	<i>Butorides striatus</i>	Striated Heron			Insufficient information	---	---	---	---	---	---	Insufficient information available to assess risk	---
3719	201	<i>Butorides virescens</i>	Green Heron	Héron vert	Garçita verde	Insufficient information	2	3	2	3	2	4	Low	4c
3721	---	<i>Agamia agami</i>	Agami Heron			Insufficient information	---	---	---	---	---	---	Insufficient information available to assess risk	---
3722	203	<i>Nyctanassa violacea</i>	Yellow-crowned Night-Heron	Bihoreau violace	Padrete enmascarado	Insufficient information	3	?	2	3	3	5	Moderate	*
3723	202	<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	Bilhoreau à couronne noire	Yaboa Real	>50,000 breeders (does not include Central America)	4	3	3	3	2	3	Moderate	3b
3729	---	<i>Cochlearius cochlearius</i>	Boat-billed Heron			Insufficient information	---	---	---	---	---	---	Insufficient information available to assess risk	---

COLONIAL OR SEMICOLONIAL BREEDERS (continued)

Conservation Status Assessment Factor Scores and Categories of Concern^c

S/M#	AOU#	Scientific Name	English Name ^b	French Name ^b	Spanish Name ^b	Estimated Population in Plan Area	PT	PS	TB	TN	BD	ND	Category	Rule
3730	---	<i>Tigrisoma mexicanum</i>	Bare-throated Tiger-Heron			10,000 individuals	4	3	3	3	?	?	High	*
3731	---	<i>Tigrisoma fasciatum</i>	Fasciated Tiger-Heron			Insufficient information	---	---	---	---	Insufficient information available to assess risk	---	---	---
3732	---	<i>Tigrisoma lineatum</i>	Rufescent Tiger-Heron			Insufficient information	---	---	---	---	Insufficient information available to assess risk	---	---	---
3750	182	<i>Phoenicopiterus ruber</i>	Greater Flamingo	Flamant rose	Flamenco americano	90,000 - 150,000 individuals	2	2	2	2	?	?	Low	*
3755	184	<i>Eudocimus albus</i>	White Ibis	Bec croche	Corocoro blanco	>100,000 breeders in US	3	2	3	3	4	5	Moderate	3c
3756	185	<i>Eudocimus ruber</i>	Scarlet Ibis	Ibis rouge		Insufficient information	---	---	---	---	Insufficient information available to assess risk	---	---	---
3758	186	<i>Plegadis falcinellus</i>	Glossy Ibis	Ibis falcinelle		13,000 - 15,000 breeders	1	3	3	2	5	5	Low	4c
3759	187	<i>Plegadis chalybeata</i>	White-faced Ibis	Ibis à Face Blanche	Atotola	>100,000 breeders	2	2	4	3	3	4	Low	4b
3766	---	<i>Mesembrinibia cayenensis</i>	Green Ibis			Insufficient information	---	---	---	---	Insufficient information available to assess risk	---	---	---
3787	183	<i>Actia ajaja</i>	Roseate Spoonbill	Spatule rosee	Espatula rosada	20,500 breeders	3	3	5	5	5	5	Moderate	3c
3794	125	<i>Pelecanus erythrorhynchos</i>	American White Pelican	Pélican d'Amérique	Pelican Norteamericano	>120,000 breeders	3	2	4	3	2	2	Moderate	3c
3795	126	<i>Pelecanus occidentalis</i>	Brown Pelican	Pélican brun	Pelican Café	191,600 - 193,700 breeders	3	2	4	4	3	3	Moderate	3c
3804	188	<i>Myiarcha americana</i>	Wood Stork	Tantale d'Amérique	Ciguena americana	32,000 - 46,000 breeders	4	3	4	3	5	5	High	2a
3819	189	<i>Jabiru myiactera</i>	Jabiru	Jabiru d'Amérique	Garzon soldado	450 breeders	4	5	5	5	?	?	High	2a
3823	128	<i>Fregata magnificens</i>	Magnificent Frigatebird	Fregate superbe	Fragata magnifica	106,000 - 174,000 breeders	4	2	4	2	3	3	High	2a
3825	128.1	<i>Fregata minor</i>	Great Frigatebird	Fregate du Pacifique	Fragata pelagica	24,000 breeders	3	3	2	2	4	2	Moderate	3c
3826	128.2	<i>Fregata ariel</i>	Lesser Frigatebird	Fregate ariel		Insufficient information	---	---	---	---	Insufficient information available to assess risk	---	---	---
3852	86	<i>Fulmarus glacialis</i>	Northern Fulmar	Fulmar boréal	Fulmar Boreal	2,100,000 breeders	3	1	4	4	2	1	Moderate	3c
3860	---	<i>Pterodroma rostrata</i>	Tahiti Petrel			Insufficient information	5	5	5	2	5	5	Highly Imperiled	1a
3864	---	<i>Pterodroma cervicalis</i>	White-necked Petrel			>100,000 individuals	3	2	na	3	na	2	Low	4a
3865	99	<i>Pterodroma inexpectata</i>	Mottled Petrel	Diablotin maculé		Insufficient information	---	---	---	---	Insufficient information available to assess risk	---	---	---
3866	99.1	<i>Pterodroma hypoleuca</i>	Bonin Petrel	Petrel de Bonin		460,792 - 716,632 breeders	3	2	4	2	4	3	Moderate	3c
3867	---	<i>Pterodroma leucoptera</i>	White-winged Petrel		Petrel de Cook	Insufficient information	---	---	---	---	Insufficient information available to assess risk	---	---	---
3868	98.3	<i>Pterodroma cookii</i>	Cook's Petrel	Diablotin de Cook		>100,000 individuals	3	2	na	2	na	1	Not currently at risk	5
3873	98.8	<i>Pterodroma alba</i>	Phoenix Petrel			Insufficient information	5	5	na	2	na	3	Highly Imperiled	1a
3874	98.6	<i>Pterodroma annularis</i>	Herald Petrel			Insufficient information	3	4	5	2	5	3	High	2b
3875	98.5	<i>Pterodroma sandwichensis</i>	Hawaiian Petrel			2,000 breeders	5	4	5	2	5	2	Highly Imperiled	1a
3877	98.4	<i>Pterodroma neglecta</i>	Kermadec Petrel			Insufficient information	---	---	---	---	Insufficient information available to assess risk	---	---	---
3878	98.7	<i>Pterodroma externa</i>	Juan Fernandez Petrel			>1,000,000 individuals	4	1	na	3	na	1	Moderate	3a
3889	98.1	<i>Pterodroma cabou</i>	Bermuda Petrel			100 breeders	2	5	5	5	5	5	High	2b
3890	98	<i>Pterodroma hastata</i>	Black-capped Petrel			4,000 - 10,000 breeders	5	3	5	3	5	3	Highly Imperiled	1a
3898	101	<i>Bulweria bulwerii</i>	Bulwer's Petrel	Diablotin errant	Petrel de Bulwer	260,000 breeders	3	2	5	4	4	2	Moderate	3b
3904	88	<i>Calonectris domeleda</i>	Cory's Shearwater	Puffin cendre	Pardela de Cory	Insufficient information	3	?	na	3	na	2	Moderate	*
3906	96.1	<i>Puffinus pacificus</i>	Wedge-tailed Shearwater	Puffin fouquet	Pardela de Pacifico	<665,170 breeders	3	2	3	2	3	2	Low	4a
3907	96.2	<i>Puffinus bulleri</i>	Buller's Shearwater	Puffin de Buller	Pardela de Buller	2,500,000 individuals	?	1	na	2	na	1	Not currently at risk	**
3908	95.1	<i>Puffinus carnatus</i>	Flesh-footed Shearwater	Puffin à pattes pâles	Pardela patipalida	1,500,000 individuals	3	1	na	3	na	2	Low	4a
3909	91	<i>Puffinus creatopus</i>	Pink-footed Shearwater	Puffin à pattes roses	Pardela patirosada	35,000 - 50,000 individuals	4	3	na	4	na	2	High	2a
3910	89	<i>Puffinus gravis</i>	Greater Shearwater	Puffin majeur	Pardela mayor	Insufficient information	3	4	na	4	na	2	High	2b
3911	95	<i>Puffinus griseus</i>	Sooty Shearwater	Puffin fuligineux	Pardela gris	2,800,000 individuals	4	1	na	3	na	1	Moderate	3b
3912	96	<i>Puffinus tenuirostris</i>	Short-tailed Shearwater	Puffin à bec mince	Pardela colicorta	30,000,000 individuals	3	1	na	2	na	1	Not currently at risk	5
3913	96.3	<i>Puffinus nativitatis</i>	Christmas Shearwater	Puffin de la Nativité	Pardela de Navidad	5,000 - 6,600 breeders	3	4	4	3	3	3	High	2b
3914	90	<i>Puffinus puffinus</i>	Manx Shearwater	Le puffin manx	Pardela Manx	360 breeders	3	5	3	2	5	2	Moderate	3c
3916	93.2	<i>Puffinus auricularis newelli</i>	Newell's Shearwater		Pardela de Newell	29,200 breeders	5	3	5	2	5	4	Highly Imperiled	1a
3916	93.1	<i>Puffinus auricularis bumsenii</i>	Townsend's Shearwater	Puffin de Townsend	Pardela de Townsend	Low	5	4	5	2	5	4	Highly Imperiled	1a
3917	93	<i>Puffinus opisthomelas</i>	Black-vented Shearwater	Puffin cul-noir	Pardela mexicana	154,640 - 159,140 breeders	4	2	5	3	5	4	High	2a
3920	92	<i>Puffinus lherminieri</i>	Audubon's Shearwater	Puffin d'Audubon	Pardela de Audubon	6,000 - 10,000 breeders	5	3	5	4	4	3	Highly Imperiled	1a
3933	82	<i>Phoebastria albanus</i>	Short-tailed Albatross	Albatros à queue courte	Albatros rabon	<1,300 individuals	2	4	na	5	na	2	High	2b
3934	81	<i>Phoebastria nigripes</i>	Black-footed Albatross	Albatros à pattes noires	Albatros pies negros	148,000 breeders	5	2	5	4	2	2	Highly Imperiled	1a
3935	82.1	<i>Phoebastria immutabilis</i>	Laysan Albatross	Albatros de Laysan	Albatros de Laysan	1,100,000 breeders	4	1	4	4	4	2	High	2a
3943	109	<i>Oceanites oceanicus</i>	Wilson's Storm-Petrel	Petrel océanite	Paino de Wilson	50,000 - 100,000 non-breeders	3	2	na	2	na	1	Not currently at risk	5
3949	---	<i>Nesofregata fuliginosa</i>	Polynesian Storm-Petrel			Insufficient information	5	5	5	2	5	3	Highly Imperiled	1a
3951	103	<i>Oceanodroma microsum</i>	Least Storm-Petrel	Petrel minime	Paino minimo	>10,000 individuals	4	1	5	2	5	4	High	2a
3952	106.3	<i>Oceanodroma leucorhoa</i>	Wedge-rumped Storm-Petrel	Petrel de Darwin	Paino de Galapagos	>500,000 individuals	3	2	na	3	na	3	Low	4a
3953	106.2	<i>Oceanodroma castro</i>	Band-rumped Storm-Petrel	Petrel de Castro	Paino de Harcourt	200 breeders	5	5	5	2	5	2	Highly Imperiled	1a
3954	106	<i>Oceanodroma leucorhoa</i>	Leach's Storm-Petrel	Océanite cul-blanc	Paino de Leach	15,275,000 breeders	2	1	4	3	2	2	Low	4b
3957	107.1	<i>Oceanodroma tristrami</i>	Tristram's Storm-Petrel	Petrel de Tristram	Paino de Tristram	<10,000 breeders	3	3	4	2	4	3	Moderate	3c
3960	107	<i>Oceanodroma melanota</i>	Black Storm-Petrel	Océanite noir	Paino negro	>20,000,000 breeders	4	1	5	3	4	3	High	2a
3961	108	<i>Oceanodroma homochroa</i>	Ashy Storm-Petrel	Océanite cendre	Pine cenizo	<10,000 breeders	5	3	4	2	5	4	Highly Imperiled	1a
3963	105	<i>Oceanodroma furcata</i>	Fork-tailed Storm-Petrel	Petrel à queue fourchue	Paino rabihorcado	5,000,000 - 6,000,000 breeders	1	1	4	2	3	2	Not currently at risk	5

SOLITARY BREEDERS (MARSHBIRDS)						
S/M#	AOU#	Scientific Name	English Name ^b	French Name ^b	Spanish Name ^b	Conservation Status Assessment Factor Scores and Categories of Concern ^c
2745	---	<i>Emypya helias</i>	Sunbittern		Garza del Sol	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2777	206	<i>Grus canadensis</i>	Sandhill Crane	Grue Canadienne	Grulla Canadiense	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2783	204	<i>Grus americana</i>	Whooping Crane	Grue blanche d'Amerique	Grulla Americana	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2786	207	<i>Aramus guarana</i>	Limpkin		Carao	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2789	---	<i>Heliconia fulca</i>	Sungrebe			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2809	---	<i>Coturnicops na-thoracensis</i>	Yellow Rail		Polleula amarilla	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2825	---	<i>Lateralus ruber</i>	Ruddy Crane	Râle jaune	Polleula rojiza	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2826	---	<i>Lateralus albigularis</i>	White-throated Crane			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2827	---	<i>Lateralus exilis</i>	Gray-breasted Crane		Polleula pechigris	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2828	216	<i>Lateralus juncidis</i>	Black Rail	Râle noir	Polleula negra	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2841	---	<i>Gallinallus philipensis</i>	Buff-banded Rail			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2843	---	<i>Gallinallus oustoni</i>	Guam Rail			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2850	211	<i>Rallus longirostris</i>	Clapper Rail	Râle gris	Rascón picudo	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2851	208	<i>Rallus elegans</i>	King Rail	Râle élégant	Rascón real	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2853	212	<i>Rallus lincolna</i>	Virginia Rail	Râle de Virginie	Rascón de Virginia	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2869	---	<i>Aramides axillaris</i>	Rufous-necked Wood-Rail		Rascón de cuellirrufo	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2870	---	<i>Aramides cajane</i>	Gray-necked Wood-Rail		Rascón de cuelligris	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2875	---	<i>Anaethetus concolor</i>	Uniform Crane		Polleula café	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2891	214	<i>Porzana carolina</i>	Sora	Marouette de Caroline	Polleula sora	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2897	---	<i>Porzana tabuensis</i>	Spotless Crane			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2900	---	<i>Porzana flavirostris</i>	Yellow-breasted Crane		Polleula pechiamanilla	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2903	---	<i>Cyanolimnas cerveria</i>	Zapata Rail			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2904	---	<i>Neorex colombianus</i>	Colombian Crane			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2905	---	<i>Neorex erythropus</i>	Paint-billed Crane			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2906	212.2	<i>Pardalipus maculatus</i>	Spotted Rail			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2913	---	<i>Porphyrio porphyrio</i>	Purple Swamphen		Gallineta morada	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2917	218	<i>Porphyrio martinica</i>	Purple Gallinule			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2922	219	<i>Gallinula chloropus</i>	Common Moorhen		Gallineta común	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2930	220.1	<i>Fulica alai</i>	Hawaiian Coot			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2931	221	<i>Fulica americana</i>	American Coot		Gallineta Americana	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
2932	221.1	<i>Fulica caribaea</i>	Caribbean Coot			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3615	5	<i>Tachyaptus dominicus</i>	Least Grebe	Grebe minime	Zambullidor chico	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3616	6	<i>Podilymbus podiceps</i>	Pied-billed Grebe	Grebe a bec bigarne	Zambullidor piquigueso	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3621	2	<i>Podiceps grisegena</i>	Red-necked Grebe	Grebe jougris		---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3623	3	<i>Podiceps auratus</i>	Horned Grebe	Grebe cornu	Zambullidor comudo	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3740	191	<i>Ixobrychus exilis</i>	Least Bittern	Blongios minute	Ardeola	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3745	190	<i>Bataurus lentiginosus</i>	American Bittern	Butor d'Amerique	Torcomon	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3746	---	<i>Bataurus pinnatus</i>	Pinnated Bittern			---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3845	11	<i>Gavia stellata</i>	Red-throated Loon	Plongeon catmarin	Colimbo Gorrirajo	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3846	10	<i>Gavia arctica</i>	Arctic Loon		Colimbo Artico	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3847	10	<i>Gavia pacifica</i>	Pacific Loon		Colimbo mayor	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3848	7	<i>Gavia immer</i>	Common Loon	Plongeon huard	Colimbo mayor	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
3849	8	<i>Gavia adamsii</i>	Yellow-billed Loon	Huart a bec blanc	Colimbo Piquiamanillo	---To be assessed in Version 2 of the North American Waterbird Conservation Plan---
ACCIDENTAL OR CASUAL SPECIES ^d						
S/M#	AOU#	Scientific Name	English Name ^b	French Name ^b	Spanish Name ^b	Occurrence
2781	206.1	<i>Grus grus</i>	Common Crane			Accidental in AK, Alberta and Nebraska, AOU (1998)
2811	---	<i>Micropteryx schomburgkii</i>	Ocelated Crane			One record from Costa Rica, AOU (1998)
2864	---	<i>Crex crex</i>	Corn Crane			Casual on Baffin Island, along Atlantic Coast of N. America, Bermuda, AOU (1998)
2889	---	<i>Porzana porzana</i>	Spotted Crane			Accidental in Lesser Antilles, AOU (1998)
2918	4081	<i>Porphyrio flavirostris</i>	Azure Gallinule			Accidental in Trinidad and NY, AOU (1998)

ACCIDENTAL OR CASUAL SPECIES (continued)					Occurrence	
S/M#	AOU#	Scientific Name	English Name ^b	French Name ^b	Spanish Name ^b	
220		<i>Falca atra</i>	Eurasian Coot (Common)			Included with other coots in US hunting regulations. Casual or accidental in AK, Labrador, Quebec and Northern Mariana Islands. AOU (1998)
2901	---	<i>Porzana cinerea</i>	White-browed Crane			Accidental on Guam (Pratt et al. 1987)
3192	54.2	<i>Larus belcheri</i>	Band-tailed Gull	Goéland siméon		Casual in Panama, also FL
3194	54.1	<i>Larus crassirostris</i>	Black-tailed Gull	Goéland à queue noire		Accidental or casual in AK, coastal British Columbia, southern CA, Belize, MD. Sight reports for Aleutians, southern Manitoba, RI and VA
3195	---	<i>Larus modestus</i>	Gray Gull	Goéland gris		Accidental off Costa Rica and Colombia; sight reports for Panama
3195.1	---	<i>Larus californicus</i>	Yellow-legged Gull	Goéland leucophaea		Casual in MD and DC; accidental in Quebec and Newfoundland
3262	---	<i>Sterna superciliosa</i>	Yellow-billed Tern	Sterne argentée		Accidental in Panama
3273	---	<i>Chlidonias leucophaea</i>	Whiskered Tern	Guifette moustac		Accidental in NJ, DE and Barbados
3274	78	<i>Chlidonias leucophaea</i>	White-winged Tern	Guifette leucophaea		Accidental or casual in AK, Manitoba, WI, Ontario, Quebec, New Brunswick, VT, MA, NY, NJ, DE, VA, Bahamas, Virgin Islands, Barbados, Guam, northern Marianas and Palau; sight reports from IN and GA
3276	---	<i>Phaethon simplex</i>	Large-billed Tern	Sterne à gros bec		Casual off Pacific coast of Panama
3283	---	<i>Larosterna inca</i>	Inca Tern	Sterne inca		Casual in interior N America (AK, CA, MN, CO, AR, IN, OH, Quebec, St. Lawrence River, MA, NC, SC, FL; accidental in coastal CA
3283.1	---	<i>Brachyramphus perdix</i>	Long-billed Murrelet	Guillemot à long bec		Casual off Pacific coast of Panama
3639	---	<i>Sula variegata</i>	Peruvian Booby	Fou varié		FL; accidental in coastal CA
3691	196.1	<i>Egretta garzetta</i>	Little Egret	Aigrette garzette		Accidental in Quebec, Newfoundland, Nova Scotia, NH, MA, VA, Bermuda, Puerto Rico, St. Lucia, Martinique, Trinidad, Suriname
3695	196.2	<i>Egretta alophaea</i>	Chinese Egret	Aigrette de Chine		Accidental in AK
3698	195	<i>Ardea cinerea</i>	Gray Heron	Héron cendré		Casual in Lesser Antilles, Trinidad
3738	---	<i>Icthyophaga sinensis</i>	Yellow Bittern	Blongios de Chine		Accidental in AK
3763	---	<i>Theristicus caudatus</i>	Buff-necked Ibis	Ibis mandore		Accidental in Panama
3861	---	<i>Pterodroma macgillivrayi</i>	Fiji Petrel	Pétrel à ailes noires		Not listed in 1998 AOU
3863	100.2	<i>Pterodroma nigripennis</i>	Black-winged Petrel	Pétrel à ailes noires		Casual in Hawaiian waters
3872	---	<i>Pterodroma longirostris</i>	Steppe's Petrel	Pétrel de Stejneger		Ranges in waters between Hawaii and N America; accidental in Hawaiian islands and off CA and south of Clipperton Island
3880	100.1	<i>Pterodroma ultima</i>	Murphy's Petrel	Pétrel de Murphy		Ranges at sea north to Hawaiian islands, off CA and Mexico and casually off WA and OR. Also off British Columbia and possibly Alaska
3899	101.1	<i>Bulweria fallax</i>	Jouanin's Petrel	Pétrel de Jouanin		Accidental in Hawaiian Islands
3901	---	<i>Procellaria parkinsoni</i>	Parkinson's Petrel	Pétrel de Parkinson		Ranges in waters off Central America
3905	88.1	<i>Calonectris leucomelas</i>	Streaked Shearwater	Puffin leucomèle		Casual in California and Hawaiian Islands
3921	92.1	<i>Puffinus assimilis</i>	Little Shearwater	Petit Puffin		Casual or accidental in Hawaiian Islands, Nova Scotia, SC; Sight reports for Puerto Rico and NC
3929	81.1	<i>Diomedea exulans</i>	Wandering Albatross	Albatros hurleur		Accidental off CA and Panama
3936	82.2	<i>Thalassarche melanophrys</i>	Black-browed Albatross	Albatros à sourcils noirs		Sight reports (none satisfactory) for Atlantic waters off N America from Newfoundland to FL
3937	82.3	<i>Thalassarche cauta</i>	Sly Albatross	Albatros à cape blanche		Accidental off coast of WA
3939	83	<i>Thalassarche chloromychus</i>	Yellow-nosed Albatross	Albatros à nez jaune		Casual or accidental in Quebec, New Brunswick, ME, NY, MD, FL, LA and TX. Sight reports off Newfoundland, ME, south to FL
3942	---	<i>Phoebastria palpestrata</i>	Light-mantled Albatross	Albatros fuligineux		Accidental off central CA
3946	111	<i>Pelagodroma marina</i>	White-faced Storm-Petrel	Océanite frégate		Casual in western Atlantic off N America from MA to NC
3950	104	<i>Hydrobates pelagicus</i>	European Storm-Petrel	Océanite tempête		Accidental in Nova Scotia
3958	---	<i>Oceanodroma markhami</i>	Markham's Storm-Petrel	Océanite de Markham		Casual north to Clipperton Island, on western coast of Costa Rica and western Panama
<p>^aArranged by S/M # = Sibley & Monroe's numbering system (Monroe, Burt L. Jr. and Charles G. Sibley, 1993, A World Checklist of Birds, Yale University Press, New Haven, CT). Note: Non-integer values were created for this Plan.</p> <p>AOU # = American Ornithologists' Union numbering system. (AOU, 1998, Checklist of North American Birds, 7th edition: American Ornithologists' Union, Washington, DC).</p> <p>--- = AOU numbering system has been discontinued, number not assigned.</p>						
<p>^bCommon names were compiled from AOU (1998), AOU's Birds of North America accounts, Native Names of Mexican Birds (Birkenstein, Lillian R. and Roy E. Thomson, 1981, USDOI-FWS, Resource Publication 139, Washington, DC) and regional workshops. It is recognized that many additional common names exist.</p> <p>na not applicable. Species does not breed within the Plan area.</p> <p>? unknown</p> <p>* Reflects range due to unknown factor score</p> <p>** Recommended by specialist group</p>						
<p>^cConservation Status Assessment Protocol used for colonial breeders is presented in Appendix 2. Included are definitions for factor scores (Population Trend (PT), Population Size (PS), Threats to Breeding (TB), Threats to Non-breeding (TN), Breeding Distribution (BD), Non-breeding Distribution (ND)] and conservation concern categories.</p> <p>^dAccidental and casual occurrences are defined by AOU 1998 and/or expert opinion.</p> <p>Accidental - one or two records in the checklist area and is literally accidental to the area and unlikely to occur regularly.</p> <p>Casual - two or a few records in the checklist area but not enough to constitute regular occurrence. (Subsequent records are improbable).</p>						

CONSERVATION STATUS ASSESSMENT PROTOCOL

for COLONIAL WATERBIRDS

Assessment Process

A committee developed a process for assigning colonial birds to categories of conservation concern. This protocol was adapted from the Partners in Flight and U.S. Shorebird Conservation Plan guidelines and accommodates the special conservation issues of species that aggregate during breeding season and/or utilize extensive marine habitats. Conservation status was determined by evaluating six factors that reflect vulnerability to population decline. These factors were scored and each species was assigned to a category of conservation concern using a step-wise categorization process. All factor scores were derived within the spatial context of the Plan area (e.g., they do not reflect global status for those species occurring outside of the Plan area). Moreover, factor scores are relative to each other and are not benchmarks, meaning that species will occur in all categories, including those of lower conservation concern.

Factor Scores

Six factors were considered when evaluating the conservation status of a species at the continental scale. Three factors are based on quantitative information (Population Size, Breeding Distribution, Non-breeding Distribution) and three on qualitative information (Population Trend, Threats to Breeding Populations, Threats to Non-breeding Populations). All factors are scaled from 1 to 5, with 5 indicating greatest vulnerability. Each species was assigned to a category of conservation concern based on these factor scores.

Population Trend (PT): This factor reflects estimated population trends based on existing information. The time period over which trend was estimated for most species was 1970 to present.

- 5 biologically significant population decline
- 4 apparent population decline
- 3 apparently stable population
- 2 apparent population increase
- 1 biologically significant population increase

Population Size (PS): This factor provides information on the current (1990-present) abundance of each species within North America. Log-transformed population data produced a normal distribution, and the 1 to 5 scale represents quintiles of the range of log-transformed values.

- 5 up to 480 individuals
- 4 480 – 5,800 individuals
- 3 5,800 – 69,200 individuals
- 2 69,200 – 832,000 individuals
- 1 832,000 – 10,000,000 individuals

Threats to Breeding (TB): This factor rates the threats impacting most or all of the total North American population of each species during their breeding season. The importance of vulnerability due to concentration (coloniality) was considered when scoring this factor. Species that do not breed in North America received a Not Applicable (NA) for this score.

- 5 Known threats are actually occurring and can be documented; concentration results in actual risk
- 4 Significant potential threats exist, but have not actually occurred; concentration results in high potential risk
- 3 No known threats, or information not available; concentration not a risk
- 2 Threats assumed to be low from all factors including concentration
- 1 Demonstrably secure

Threats to Non-breeding (TN): This factor rates the threats known to exist for each species during their non-breeding season. The scores are the same as for the Threats to Breeding factor, but without the additional risk due to concentration during breeding.

Breeding Distribution (BD): This factor reflects the vulnerability to population loss due to a small breeding distribution. Total *land-based* breeding area in North America was estimated in square kilometers. Breeding ranges were determined using range maps (primarily from Harrison, P. Seabirds: an identification guide. Boston: Houghton Mifflin Company; 1985. 448 p. and from the American Ornithological Union's Birds of North America accounts). The 1 to 5 scale was created with log-transformed data. Species that do not breed in North America receive a Not Applicable (NA) for this score.

- 5 highly restricted (up to 450,000 km²)
- 4 local (450,000 km² – 1,500,000 km²)
- 3 intermediate (1,500,000 km² – 5,000,000 km²)
- 2 widespread (5,000,000 km² – 16,000,000 km²)
- 1 very widespread (16,000,000 km² – 52,500,000 km²)

Non-breeding Distribution (ND): This factor reflects the vulnerability to population loss due to small non-breeding distribution, that is, the total area occupied by non-breeding birds (including wintering, migratory, and in some cases breeding areas) in North America. Non-breeding ranges were determined using the standardized procedures and the sources described above.

- 5 highly restricted (up to 1,300,000 km²)
- 4 local (1,300,000 km² – 4,200,000 km²)

- 3 intermediate (4,200,000 km² – 13,600,000 km²)
- 2 widespread (13,600,000 km² – 44,000,000 km²)
- 1 very widespread (44,000,000 km² – 140,000,000 km²)

Categories of Conservation Concern

Five categories of conservation concern were developed, and species were assigned to them using a categorical approach. The categories and the series of categorization rules are presented below. Some species could not be categorized because inadequate data were available to assess risk.

1. Highly Imperiled: This includes all species with significant population declines and either low populations or some other high risk factor.

Rule 1a. PT = 5 *and* either PS, TB, TN, or BD = 5

2. High Concern: Species that are not Highly Imperiled. Populations of these species are known or thought to be declining, and have some other known or potential threat as well.

Rule 2a. PT = 4 or 5 *and* either PS, TB, TN, or BD = 4 or 5; or

Rule 2b. PS = 4 or 5 *and* either TB or TN = 4 or 5

3. Moderate Concern: Species that are not Highly Imperiled or High Concern. Populations of these species are either a) declining with moderate threats or distributions; b) stable with known or potential threats and moderate to restricted distributions; or c) relatively small with relatively restricted distributions.

Rule 3a. PT = 5 *and* either PS, TB, TN, BD, or ND > 1; or

Rule 3b. PT = 4 *and* either PS, TB, TN, BD, or ND > 2; or

Rule 3c. PT = 3 *and* either PS, TB, TN, BD, or ND = 4 or 5; or

Rule 3d. PS = 4 or 5 *and* either BD or ND > 3

4. Low Concern: Species that are not Highly Imperiled, High Concern or Moderate Concern. Populations of these species are either a) stable with moderate threats and distributions; b) increasing but with known or potential threats and moderate to restricted distributions; or c) of moderate size with known or potential threats and moderate to restricted distributions.

Rule 4a. PT = 3 *and* either PS, TB, TN, BD, or ND = 3; or

Rule 4b. PT = 2 *and* either PS, TB, TN, BD, or ND = 4 or 5; or

Rule 4c. PS = 3 *and* either TB, TN, BD, or ND = 4 or 5

5. Not Currently At Risk: All other species for which information was available.

Rule 5: Does not meet any previous rule

Information Lacking: If both Population Trend and Population Size could not be estimated, species were not ranked.

APPENDIX 3

Distribution and activity of colonial waterbird species presented by Bird Conservation Regions (BCRs) and adjacent Pelagic Bird Conservation Regions (PBCRs, shown in parentheses). Activities are: b = breeding; w = wintering; m = migratory/dispersal; p = occurs pelagically during wintering and/or non-breeding. Note: U.S. Pacific Islands are included with BCR 67, and mx = interior Mexican BCRs combined (43-56, 58-61, 65, 66). BCRs have not been established in the Caribbean and Central America.

	Bird Conservation Region (BCR) Number	Great Skua <i>Stercorarius skua</i>	South Polar Skua <i>Stercorarius macrornis</i>	Romanine Jaeger <i>Stercorarius pomarinus</i>	Parasitic Jaeger <i>Stercorarius parasiticus</i>	Long-tailed Jaeger <i>Stercorarius longicaudus</i>	Black Skimmer <i>Rynchops niger</i>	Heermann's Gull <i>Larus heermanni</i>	Mew Gull <i>Larus canus</i>	Ring-billed Gull <i>Larus delawarensis</i>	California Gull <i>Larus californicus</i>	Great Black-backed Gull <i>Larus marinus</i>	Glaucous-winged Gull <i>Larus glaucescens</i>
Aleutian/Bering Sea Islands (East Bering Sea)	1		p	p	bp				b				bw
Western Alaska (East Bering Sea)	2		p	bp	bp	bp			b				bw
Arctic Plains and Mountains (Chukchi & Beaufort Seas, also Arctic Ocean and Hudson Bay)	3			bp	bp	bp			b			b	b
Northwestern Interior Forest	4					b			b				bw
Northern Pacific Rainforest (Gulf of Alaska, California Current)	5		p	p	bp	p		w	bm	bm	w		bw
Boreal Taiga Plains	6				b				bm	b	bm		
Taiga Shield and Hudson Plains (Newfoundland-Labrador Shelf, also Hudson Bay)	7			p	bp	p			b	b	b	b	
Boreal Softwood Shield (Newfoundland-Labrador Shelf)	8	p	p	p		p			b	b	b	bw	
Great Basin	9								w	bm	bm		b
Northern Rockies	10								m	bm	bm		
Prairie Potholes	11									bm	bm		
Boreal Hardwood Transition	12									b		bw	
Lower Great Lakes/St. Lawrence Plain	13									bw		bw	
Atlantic Northern Forest (Scotian Shelf, NE US Continental Shelf)	14	p	p	p	p	p				bm		bw	
Sierra Nevada	15									w	bm		
Southern Rockies/Colorado Plateau	16									w	bm		
Badlands and Prairies	17									bm	bm		
Shortgrass Prairie	18									w	bm		
Central Mixed-grass Prairie	19									w			
Edwards Plateau	20									w			
Oaks and Prairies	21									w			
Eastern Tallgrass Prairie	22									w		w	
Prairie Hardwood Transition	23									bw		w	
Central Hardwoods	24									w			
West Gulf Coastal Plain/Ouachitas	25									w			
Mississippi Alluvial Valley	26						b			w			
Southeastern Coastal Plain (SE US Continental Shelf, Gulf of Mexico)	27	p	p	p	p	p	bw			w		bw	
Appalachian Mountains	28									m		w	
Piedmont	29									w		w	
New England/Mid-Atlantic Coast (NE US Continental Shelf)	30	p	p	p	p	p	b			w		bw	
Peninsular Florida (SE US Continental Shelf, Gulf of Mexico)	31		p	p	p	p	bw			w		w	
Coastal California (California Current)	32		p	p	p	p	bw	w	w	w	w		w
Sonoran and Mohave Deserts	33						bw	bw		w	w		w
Sierra Madre Occidental	34									w			
Chihuahuan Desert	35									w			
Tamaulipan Brushlands (Gulf of Mexico)	36									w			
Gulf Coastal Prairie (Gulf of Mexico)	37						bw			w			
Islas Marias (Gulf of California)	38												
Sierras de Baja California	39									w	m?		
Desierto de Baja California (California Current, Gulf of California)	40		p	p	p	p		bw	w	w	w		w
Islas del Golfo de California (Gulf of California)	41							bw		w	w		w
Sierra y Planicies de El Cabo (California Current, Gulf of California)	42		p	p	p	p		bw		w	w		w
Isla Cozumel (Caribbean Sea)	57												
Archipelago de Revillagigedo (Pacific Central-American Coastal)	62			p	p	p							
Isla Guadalupe (California Current)	63			p	p	p							
Arrecife Alacranes (Caribbean Sea)	64												
Hawaii (Insular Pacific-Hawaiian)	67		p										
(Atlantic)	atl	p	p	p	p	p							
(Pacific)	pac		p	p	p	p							
Caribbean Islands (Caribbean Sea)	car			p	p								
Central America (Caribbean Sea, Pacific Central-American Coastal)	cen		p	p	p	p	w						
Mexico (Gulf of Mexico, Pacific Central-American Coastal)	mx		p	p	p	p	bw	bw		w	w		

Bird Conservation Region (BCR) Number	Western Gull <i>Larus occidentalis</i>	Yellow-footed Gull <i>Larus livens</i>	Glaucous Gull <i>Larus hyperboreus</i>	Iceland Gull <i>Larus glaucoideus</i>	Thayer's Gull <i>Larus thayeri</i>	Herring Gull <i>Larus argentatus</i>	Slaty-backed Gull <i>Larus schistisagus</i>	Lesser Black-backed Gull <i>Larus fuscus</i>	Black-headed Gull <i>Larus ridibundus</i>	Bonaparte's Gull <i>Larus philadelphia</i>	Laughing Gull <i>Larus atricilla</i>	Franklin's Gull <i>Larus pipixcan</i>	Little Gull <i>Larus minutus</i>	Ivory Gull <i>Puffophila eburnea</i>	Ross's Gull <i>Rhodostethia rosea</i>	Sabine's Gull <i>Xema sabini</i>	Black-legged Kittiwake <i>Rissa tridactyla</i>	Red-legged Kittiwake <i>Rissa brevirostris</i>	Gull-billed Tern <i>Sterna nilotica</i>	Caspian Tern <i>Sterna caspia</i>	Royal Tern <i>Sterna maxima</i>	Elegant Tern <i>Sterna elegans</i>	Great Crested Tern <i>Sterna bergii</i>	Sandwich Tern <i>Sterna sandwicensis</i>	Roseate Tern <i>Sterna dougallii</i>	Common Tern <i>Sterna hirundo</i>	Arctic Tern <i>Sterna paradisaea</i>
1			w			bw				b							bp	bp								m	bp
2			bw			bw	b			bm				p		bp	bp	p		b						m	bp
3			b	b	bm	b								bp	bp	bp	b										bp
4					m	b				b							p										b
5	bw		w		w	bw				w		m	w			p	bp	p		bm		m				m	bp
6					m	bm				b		b								bm						b	b
7			bw	w	m	b				bm			b	p	p	p	b			bm							b
8			w	w	m	bw		w	bw	bm				p		p	bp			bm						b	b
9						w				m		bm								bm						bm	
10					m	bw				bm		bm								bm						m	
11						bm				bm		bm								bm						b	
12			w			bw				w		m	b							bm						b	
13			w	w		bw				w		m	bw							bm						b	
14			w	w		bw		w	b?w	w	b		w			p	bp			m				b	b	bp	
15					m	m				m										bm							
16						w				m		bm														m	
17					m	m				m		m															
18						w				m		m														m	
19						w				m		m														m	
20						w				m		m															
21						w				m		m															
22			w			bw				m		m								bm						m	
23			w			bw				w		m	b							bm						m	
24						w				w		m								m						m	
25						w				w		m								m						m	
26						w				w		m						b	m							m	
27				w		bw		w		w	bw		w				p		bw	bw	bw			bw	m	bm	
28						m				m										m						m	
29						w				m										m						m	
30			w	w		bw		w	b?w	w	b		w				p		b	bm	b			b	bm	b	bp
31						w		w		w	bw		w				p		bw	bw	bw			bw	bm	m	
32	bw					w				w		m	w			p	p		b	bw	bw	bm				m	p
33		w				w				w	b								bw	bw	bw	b				m	
34						m				w	w									m							
35						m				m	w									m							
36						w				w	w	m						bw	w							m	
37						w		w		w	bw	m	w						bw	bw	bw			bw		bm	
38																											
39						w																					
40	bw	w			w	w				w	w					p	p			bw	bw	b				m	p
41		bw			w	w					w									w	bw	b					
42	w	w				w				w	w					p				w	w	b				m	
57												m															
62																p											p
63																p	p										p
64												m															
67																							bp				
atl																											
pac																							p				p
car						w				w	bw	m					p		b	w	bw			bw	bm	bm	
cen						w				w	w	m				p			w	w	bw	w		bw		m	p
mx		w				w				w	bw	m				p			bw	w	bw	bm		bw		m	p

[illegible]

Bird Conservation Region (BCR) Number	Least Auklet <i>Aethia pusilla</i>	Rhinoceros Auklet <i>Cerorhinca monocerata</i>	Atlantic Puffin <i>Fratercula arctica</i>	Horned Puffin <i>Fratercula corniculata</i>	Tufted Puffin <i>Fratercula cirrhata</i>	Snail Kite <i>Rostrhamus sociabilis</i>	Eared Grebe <i>Podiceps nigricollis</i>	Western Grebe <i>Aechmophorus occidentalis</i>	Clark's Grebe <i>Aechmophorus clarkii</i>	Red-billed Tropicbird <i>Phaethon aethereus</i>	Red-tailed Tropicbird <i>Phaethon rubricauda</i>	White-tailed Tropicbird <i>Phaethon lepturus</i>	Northern Gannet <i>Morus bassanus</i>	Blue-footed Booby <i>Sula nebouxi</i>	Masked Booby <i>Sula dactylatra</i>	Nazca Booby <i>Sula granti</i>	Red-footed Booby <i>Sula sula</i>	Brown Booby <i>Sula leucogaster</i>	Anhinga <i>Anhinga anhinga</i>	Brandt's Cormorant <i>Phalacrocorax penicillatus</i>	Neotropic Cormorant <i>Phalacrocorax brasilianus</i>	Double-Crested Cormorant <i>Phalacrocorax auritus</i>	Great Cormorant <i>Phalacrocorax carbo</i>	Red-faced Cormorant <i>Phalacrocorax urile</i>	Pelagic Cormorant <i>Phalacrocorax pelagicus</i>	Reddish Egret <i>Egretta rufescens</i>	Tricolored Heron <i>Egretta tricolor</i>
1	bp	b		bp	bp																						
2	bp	b		bp	bp																						
3			b	bp	bp																				b		
4					bp																				bw		
5		bp		bp	bp		w	bw	bw											bw				bw	bw		
6							b	b	b																b		
7			bp																						b		
8			bp										bp											b	bw		
9							bw	bw	bw														bw				
10							b	b	b														bm				
11							b	b	bm														b				b
12																							b				
13																							b				
14			bp										bp										b	bw			
15							b	b	b													m					
16							bw	b	b														bm				
17							b	b	b														b				
18							bw	b	b														bm				
19							bw	b	b														bw				
20							w																w				
21							w												b		b		bw				
22																							bm				
23							b	b	b														b				
24																							w				
25							w												b		b		bw				b
26																			bw				bw				bw
27						bw							p						bw				bw	w		w	bw
28																							w				
29																							w				
30			p										p										bw	w			b
31						bw							p		bp			p	bw				bw			bw	bw
32		bp			bp		bw	bw	bw	p										bw			bw		bw		w
33							w	bw	bw	p										w	bw				bw		bw
34							bw	bw	bw												bw					bw	bw
35							w	bw	bw												bw	w					
36							w												bw		bw	w					bw
37							w	w	w				p					p	bw		bw	w				bw	bw
38																											
39							w	bw	bw																	w	
40		p					w	w	w	bp				bp	p			p		bw	bw				w	bw	bw
41							w	w		bp				bp	bp			bp		bw						bw	
42							w	w	w	bp				bp	p			p		w						bw	w
57															p												
62															bp		bp										
63																											
64																											
67										bp	bp				bp		bp	bp									
atl			p																								
pac										p	p				p												
car						bw				bp	bp	p		bp		bp	bp	bw		bw	bw				bw	bw	
cen						bw	w			p				p	p		p	bp	bw		bw					bw	bw
mx						bw	bw	bw	bw	p				p	p	bp	p	p	bw	w	bw	bw				bw	bw

Bird Conservation Region (BCR) Number	Little Blue Heron <i>Egretta caerulea</i>	Western Reef-Heron <i>Egretta gilvula</i>	Snowy Egret <i>Egretta thula</i>	Capped Heron <i>Ptilerodius pileatus</i>	Great Blue Heron <i>Ardea herodias</i>	Cocoi Heron <i>Ardea coccy</i>	Great Egret <i>Ardea alba</i>	Cattle Egret <i>Bubulcus ibis</i>	Striated Heron <i>Butorides striatus</i>	Green Heron <i>Butorides virescens</i>	Agami Heron <i>Agamia agami</i>	Yellow-crowned Night-Heron <i>Nyctanassa violacea</i>	Black-crowned Night-Heron <i>Nycticorax nycticorax</i>	Boat-billed Heron <i>Cochlearius cochlearius</i>	Bare-throated Tiger-Heron <i>Tigrisoma mexicanum</i>	Fasciated Tiger-Heron <i>Tigrisoma fasciatum</i>	Rufescent Tiger-Heron <i>Tigrisoma lineatum</i>	Greater Flamingo <i>Phoenicopterus ruber</i>	White Ibis <i>Eudocimus albus</i>	Scarlet Ibis <i>Eudocimus ruber</i>	Glossy Ibis <i>Plegadis falcinellus</i>	White-faced Ibis <i>Plegadis chihi</i>	Green Ibis <i>Mesembrinibis cayennensis</i>	Roseate Spoonbill <i>Ayaya ajaja</i>	American White Pelican <i>Pelecanus erythrorhynchos</i>	Brown Pelican <i>Pelecanus occidentalis</i>	Wood Stork <i>Mycteria americana</i>
1																											
2																											
3																											
4																											
5			bw		bw		bw	bm		bw			bw									m			wm	bwm	
6					bm			m					b												bm		
7					m																						
8					bm			m																			
9			bm		bwm		bwm	bm					bwm									bm			bwm		
10			bm		bwm			m					b									bm			bm		
11	bm		bm		bw		bm	bm		b		bm	b									bm			bm		
12					b		bm	bm		b		bm	bw												bm		
13					bw		bm	bm		b			b														
14	bm		b		bw		m	m		b			b														
15					m			m		m			bw									b			bwm		
16			bm		bw		bm	bm					bw									bm			bm		
17					bw			m					b									b			bm		
18			m		bw		wm	bm					bw									bm			bm		
19	bm		bm		bw		wm	bm		bm		bm	bw									bm			m		
20	b		m		bw		w	m		bw			bw									m			w		
21	b		bm		bw		bw	m		bw		b	bw									m			w		
22	m		m		bw		bm	bm		b		bm	bw									m					
23			bm		bw		bm	bm		b		bm	bw														
24	bm		b		bw		bm	bm		b		b	bw									m					
25	b		b		bw		bw	bwm		b		b	bw						bwm			m			w		m
26	bw		bw		bw		bw	bwm		b		bw	bw						bwm		bw			b	wm		m
27	bw		bw		bw		bw	bw		bw		bw	bw						bwm		bw			w	w	bw	bwm
28	m				bw		bm	bm		b		bm															
29	m		m		bw		bm	bm		b		m	bw						wm								m
30	bw		bw		bw		bw	bm		b		bm	bw						wm		b					wm	
31	bw		bw		bw		bw	bw		bw		bw	bw						bw		bw			bw	w	bw	bw
32	wm		bw		bw		bw	bm		bw			bw									bw			w	bw	
33	bw		bw		bw		bw	bw		bw		bw	bw						bw			wm		bw	w	bw	m
34			bwm		bw		bw	bm		bw			bw									wm			w		
35			bwm		bw		w	m		bw			bw									wm			w		
36	bw		bw		bw		w	bw		bw		bw	bw						wm			w		bw	bw		
37	bw		bw		bw		bw	bw		bw		bw	bw						bw		bw	bw		bw	bw	bw	m
38																											
39			w				w	bw		bw												m					
40	bw		bw		bw		w	m		bw		bw	bw						wm			w			w	bw	
41	m				bw		w	m																	w	bw	
42	w		w		bw		w	m		bw		w	bw						bw			w			w	bw	
57																											
62																											
63																											
64								m																			
67		?																									
atl																											
pac																											
car	bw		bw		bw		bw	bw		bw		bw						bw	bw		bw			bw		bw	bw
cen	b?w		bw	bw	w	bw	bw	bw	bw	bw	bw	bw	bw	bw	bw	bw	bw	bw	bw	bw	w	bw	bw		bwm	bw	
mx	bw		bw		bw		bw	bw		bw	bw	bw	bw	bw	bw			bw	bw		bw	bw		bw	bw	bwm	bwm

Bird Conservation Region (BCR) Number	<i>Jabiru Jabiru mycteria</i>	Magnificent Frigatebird <i>Fregata magnificens</i>	Great Frigatebird <i>Fregata minor</i>	Lesser Frigatebird <i>Fregata ariel</i>	Northern Fulmar <i>Fulmarus glacialis</i>	Tahiti Petrel <i>Pterodroma rostrata</i>	White-necked Petrel <i>Pterodroma cervicalis</i>	Mottled Petrel <i>Pterodroma inexpectata</i>	Bonin Petrel <i>Pterodroma hypoleuca</i>	White-winged Petrel <i>Pterodroma leucoptera</i>	Cook's Petrel <i>Pterodroma cooki</i>	Phoenix Petrel <i>Pterodroma alba</i>	Herald Petrel <i>Pterodroma arminjoniana</i>	Hawaiian Petrel <i>Pterodroma sandwicensis</i>	Kermadec Petrel <i>Pterodroma neglecta</i>	Juan Fernandez Petrel <i>Pterodroma externa</i>	Bermuda Petrel <i>Pterodroma cahow</i>	Black-capped Petrel <i>Pterodroma hastata</i>	Bulwer's Petrel <i>Bulweria bulwerii</i>	Cory's Shearwater <i>Calonectris diomedea</i>	Wedge-tailed Shearwater <i>Puffinus pacificus</i>	Buller's Shearwater <i>Puffinus bulleri</i>	Flesh-footed Shearwater <i>Puffinus carneipes</i>	Pink-footed Shearwater <i>Puffinus creatopus</i>	Greater Shearwater <i>Puffinus gravis</i>	Sooty Shearwater <i>Puffinus griseus</i>	Short-tailed Shearwater <i>Puffinus tenuirostris</i>
1					bp		p				p											p	p			p	p
2					bp		p															p	p			p	p
3					bp																						p
4																											
5					bp		p				p											p	p	p		p	p
6																											
7																											
8					bp															p					p	p	
9																											
10																											
11																											
12																											
13																											
14					p																p				p	p	
15																											
16																											
17																											
18																											
19																											
20																											
21																											
22																											
23																											
24																											
25																											
26																											
27		p																p		p					p	p	
28																											
29																											
30																				p					p	p	
31		bp																p		p					p	p	
32		p			p						p											p	p	p		p	p
33		bp																									
34																											
35																											
36																											
37		p																		p							
38																											
39																											
40		bp																				p	p	p		p	
41		bp																									
42		p																					p	p			
57																											
62		bp	bp																		bp					p	
63																										p	
64																											
67			bp	bp		bp	p	p	bp	p	p	p	bp	bp	p	p			bp		bp		p			p	p
atl					p												p?	p?		p					p	p	
pac			p		p	p	p	p	p	p	p	p	p	p	p				p		p	p	p	p		p	p
car		bp															bp	bp		p							
cen	bw	bp	p																					p		p	
mx	bw	bp	p				p									p						p		p		p	

Bird Conservation Region (BCR) Number	Christmas Shearwater <i>Puffinus nativitatis</i>	Marx Shearwater <i>Puffinus puffinus</i>	Newell's Shearwater <i>Puffinus auricularis newelli</i>	Townsend's Shearwater <i>Puffinus auricularis townsendi</i>	Black-vented Shearwater <i>Puffinus opisthomelas</i>	Audubon's Shearwater <i>Puffinus lherminieri</i>	Short-tailed Albatross <i>Phoebastria albatrus</i>	Black-footed Albatross <i>Phoebastria nigripes</i>	Laysan Albatross <i>Phoebastria immutabilis</i>	Wilson's Storm-Petrel <i>Oceanites oceanicus</i>	Polynesian Storm-Petrel <i>Nesofregata fuliginosa</i>	Least Storm-Petrel <i>Oceanodroma microsoma</i>	Wedge-rumped Storm-Petrel <i>Oceanodroma tetrys</i>	Band-rumped Storm-Petrel <i>Oceanodroma castro</i>	Leach's Storm-Petrel <i>Oceanodroma leucorhoa</i>	Tristram's Storm-Petrel <i>Oceanodroma tristrami</i>	Black Storm-Petrel <i>Oceanodroma melanota</i>	Ashy Storm-Petrel <i>Oceanodroma homochroa</i>	Fork-tailed Storm-Petrel <i>Oceanodroma furcata</i>
1							p	p	p						bp				bp
2							p	p	p						bp				bp
3																			
4																			
5							p	p	p						bp			p	bp
6																			
7		p													p				
8		bp								p					bp				
9																			
10																			
11																			
12																			
13																			
14		p								p					bp				
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27		p				p				p					p				
28																			
29																			
30		p				p				p					bp				
31						p				p					p				
32					p			p	p	p		p			bp		bp	bp	p
33												p					p		
34																			
35																			
36																			
37																			
38																			
39																			
40				p	bp			p	p			bp	p		bp		bp	p	
41												bp					bp		
42				p					p			p	p		p		p		
57																			
62				bp					bp										
63					bp			p	bp						bp			p?	
64																			
67	bp		bp			bp	p	bp	bp	p	bp			bp		bp			
atl		p								p					p				
pac	p		p				p	p	p	p	p			p	p	p			p
car						bp				p					p				
cen						p				p			p	p	p				
mx				p	p	p			p			p	p	p	p		p		